



# iCN-753N Brushless Motor 32-Unit Standalone Temperature

Incoming Call Memory Type Incoming Call Power-On Type Incoming Call Power-Off Type

Flagship Edition

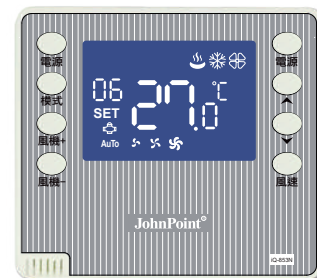
Four-Pipe Output Control  
Room Card Functionality

**NEW**

1. One panel can support the linkage control of 32 fan drivers (control boxes), with individual operation or group synchronous control functions.
2. Equipped with key lock function to prevent improper operation.
3. Features automatic sequential delay restoration after power failure (delayed startup to prevent overload). When in the power-on state before power outage, it will automatically delay startup in accordance with the address coding sequence upon power restoration.
4. Easy and convenient installation : Panel wiring requires only three signal wires.
5. Safety design : Built-in 8-ampere fuse to protect fan motors and circuits.
6. Temperature sensing method : Temperature sensing at the return air outlet, with attached 1.5-meter high-precision temperature sensing wire.
7. Power-off memory function (air volume, function mode, set temperature, power on/off status).



iCN-753N



iCN-853N



※ Please scan this QR code for the user manual.

## Function Description

Power		Power on / off motors in order or by group.
Mode	Mode	1. When power is on, press to switch between 3 system modes → Cool, Heat, Ventilation. 2. When power is off, press & hold for 3 seconds to enter settings menu.
Fan	Fan	5 modes → Automatic, Low speed, Medium speed, High speed.
Fan location selector	ID-ID+	1. You can select fan's ID ( 01~32 ). 2. After fan's ID is selected, fan's ID icon will flash while establish connction.
Simultaneous Group Control	Press & hold both ID-ID+	1. Press & hold both ID- and ID+ for 4 seconds to switch to Simultaneous Group Control. 2. Cancel Simultaneous Group Control → press ID- or ID+ to switch back to Single Control. The LCD will display previous Single Control fan's ID.
Temperature Adjustment		When power is on, press to adjust temperature +/- 0.5 °C. Press & hold to speed up adjustment. When power is off, press & hold (  and  ) adjustment keys for 5 seconds, you can set/release key's lock. When keys are locked, only power switch, 0~24 hours program schedule setting and fan selector are functional.

※ Advanced Timer Switch (On / Off) : Press both and , can set up timer for individual fan.

## Control Box

Perfect all-in-one control driver, integrating power supply, control, drive, and communication into one unit.



- Model :  
iCN-M1 (Single motor output)  
iCN-M2 (Dual motor output)
- Size :  
168 x 143 x 65mm
- Input Voltage :  
AC 220V · 50/60Hz (Single-phase)
- Output Contacts :  
Host chain contacts : 1A/250VAC
- There is built-in active PFC function (Optional)

## DC Motor

DC Variable Frequency Technology, operates ultra-quietly, incorporating DC variable frequency sensorless drive technology.

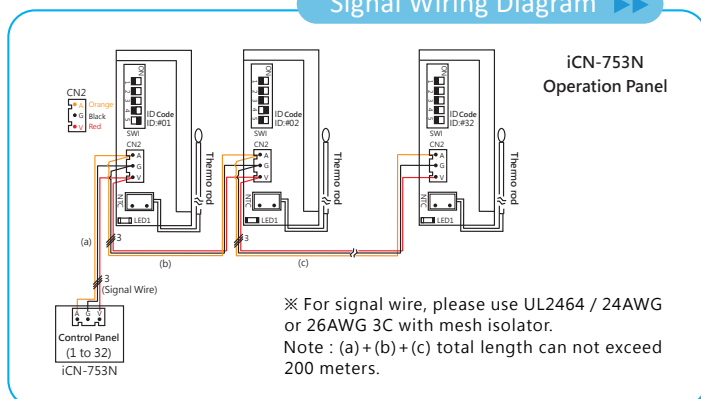


Single-Axis Motor/60W



Double-Axis Motor/120W

## Signal Wiring Diagram



## ID Switch Code Chart

■ means ON

ID : #01	ID : #02	ID : #03	ID : #04	ID : #05	ID : #06	ID : #07	ID : #08
ID : #09	ID : #10	ID : #11	ID : #12	ID : #13	ID : #14	ID : #15	ID : #16
ID : #17	ID : #18	ID : #19	ID : #20	ID : #21	ID : #22	ID : #23	ID : #24
ID : #25	ID : #26	ID : #27	ID : #28	ID : #29	ID : #30	ID : #31	ID : #32

## System Wiring Diagram

